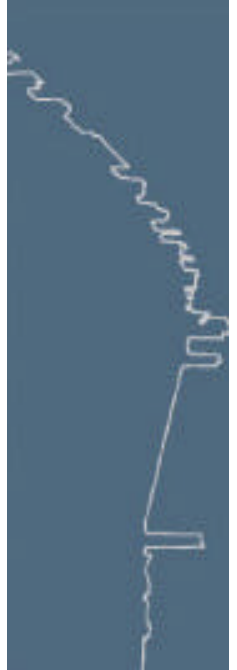


Seattle's Central Waterfront Plan Charrette 2004



Department of Planning and Development
City of Seattle, Greg Nickels, Mayor



Edge Habitat(s)



Our approach underscores the functions of the waterfront edge as both ecological and urban constructs

TEAM 12

Team Narrative

Team 12: Edge Habitat(s)

Emphasizing the urban and ecological functions of the waterfront edge, Team 12: Edge Habitat(s) recognized multiple layers of past, current and future change along the waterfront and used a variety of strategies to restore and create urban habitats. After deciding to redirect traffic along Highway 99 into a tunnel, Edge Habitat(s) expanded the city's green space by transforming the existing viaduct into a unique elevated greenway. At Terminal 46, a phased wetland shows several ecological interventions including, a new beach, with vegetated uplands and pedestrian access, providing a shoreline amenity for salmon and their human admirers. Along Myrtle Edwards Park, a series of Habitat Hooks improve salmon passage with eelgrass terraces, ramped shorelines and clean, freshwater inputs from intertidal channels, marshes and bioswales.

At several points, "Salmon Spirals" will bring the same liveliness to the aquatic environment as playgrounds and bike trails do to the terrestrial. A close-up of the greenway near Pike Place shows improved open space, stormwater treatment and the placement of excavated soils on top of the viaduct to provide valuable pedestrian connections between the waterfront and the city.

Team Participants

Team 12: Edge Habitat(s)

Marcie Demmy-Bidwell

Michael Espenan

Jeff Hou

Stephanie Hurley

Melissa Medeiros

Travis Scrivner

Keiko Shimada

Wilma Stordahl

Erik Stromberg

Amy Tanner

Megan Wilson

ELEVATED GREENWAY

modular storefronts

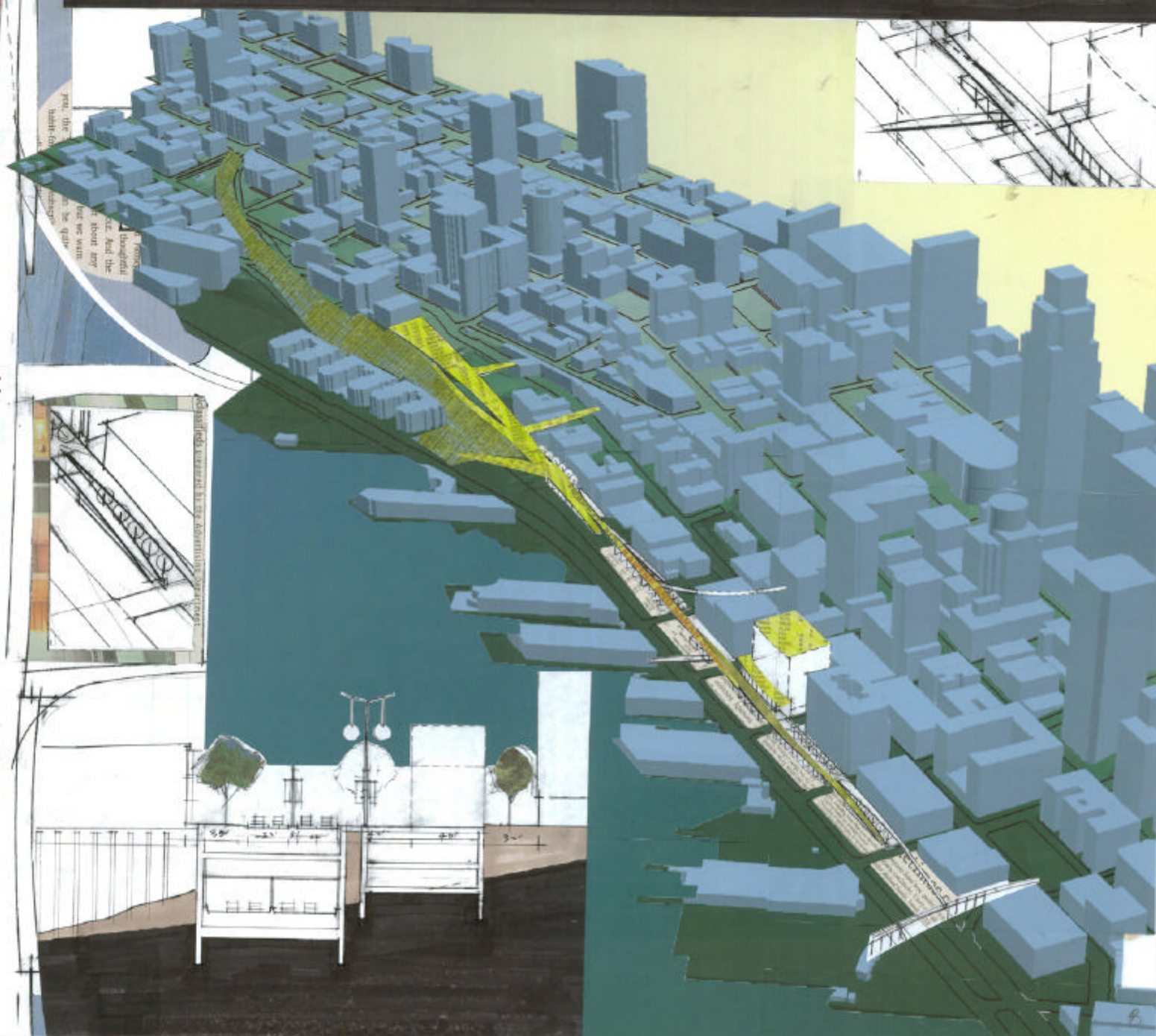
People's Viaduct

modular storefronts

union st

university st

seneca st





LIFE
UNDER
WATER...

AND...

LIFE
ALONG
THE SHORE



Green Sea Walls combine with Kelp Bombs and Salmon Spirals as artful and ecological strategies for revegetating Seattle's waterfront

SALMON SPIRALS

FALSE BATHYMETRY, A SLOPING SHORELINE
adding edge,
nutrients,
and shoreline substrate

potential opportunities . . . to extend a series of
these green mats of habitat into Elliott Bay...
to create islands and isthmuses of refuge for salmon



GREEN SEA WALLS

SALT-SPRAY AND UV-RESISTANT
GEOTECHNICAL CLAY INOCULATED
WITH SEEDS OF SHORELINE PLANTS

a continuous or occasional intervention
along the west side of the sea wall

THE SOUTH ANCHOR

PHASE II

PHASE I

PEDESTRIAN FERRY TERMINAL

IMPROVED SHORELINE HABITAT

ADDITIONAL WATER TREATMENT SYSTEM

HISTORIC DOCK

MIXED-USE DEVELOPMENT

VIEWING PLATFORM

AUTO FERRY TERMINAL

MENT CELLS
JN-OFF

INTER-TIDAL CHANNEL & MARSH

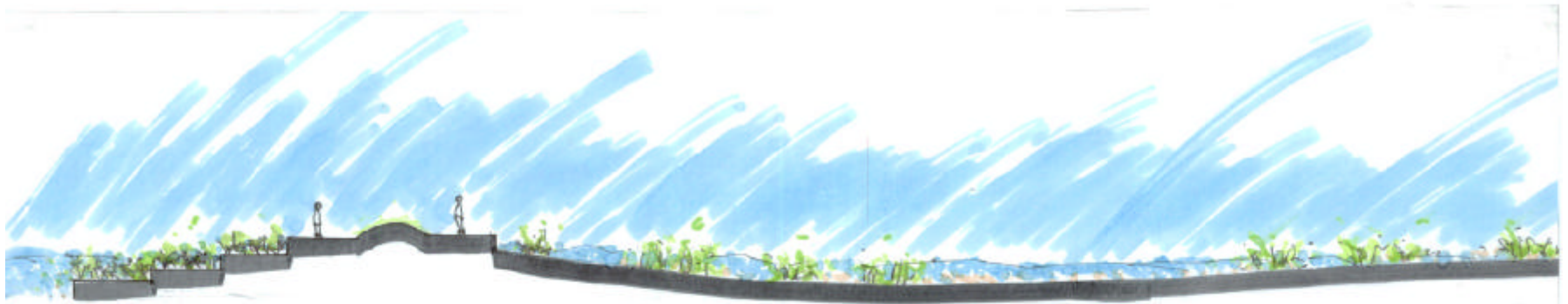
WORKING PORT

PHASE III

ADDITIONAL MIXED-USE DEVELOPMENT,
SHORELINE HABITAT & PUBLIC OPEN SPACE

SECTION OF ON-SITE WATER TREATMENT SYSTEM





Eelgrass Terraces

HABITAT HOOKS

Breakwaters with eelgrass terraces and Modular Park/Docks will slow currents along the shore at Myrtle Edwards Park and allow for deposition of sediments. Sandy beaches will invite visitors to experience Elliott Bay.

Modular Park/Docks

Myrtle Edwards Park

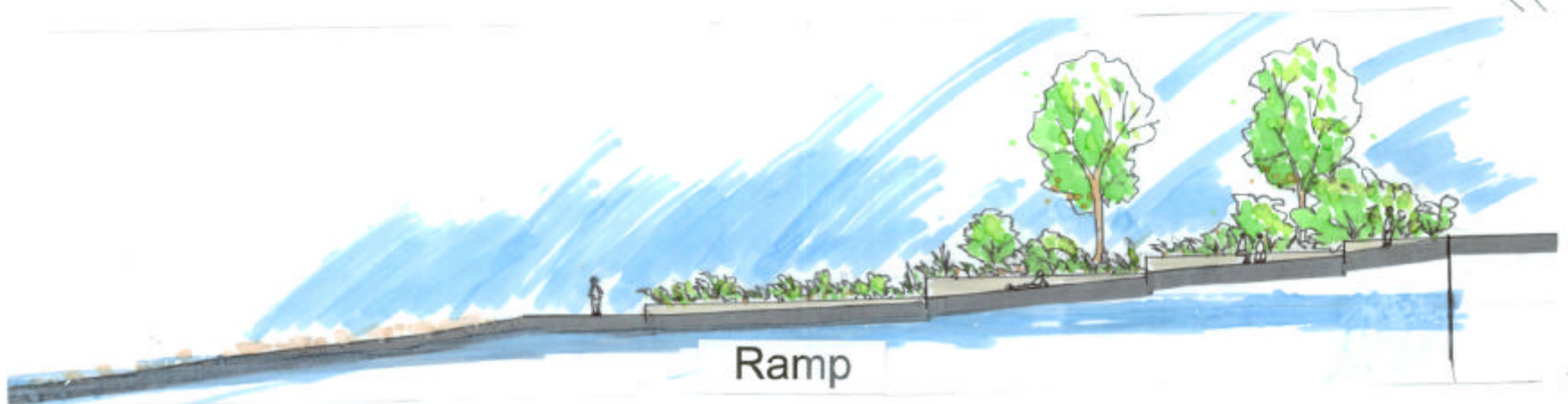
Eelgrass Terraces



Bike and Pedestrian Trails

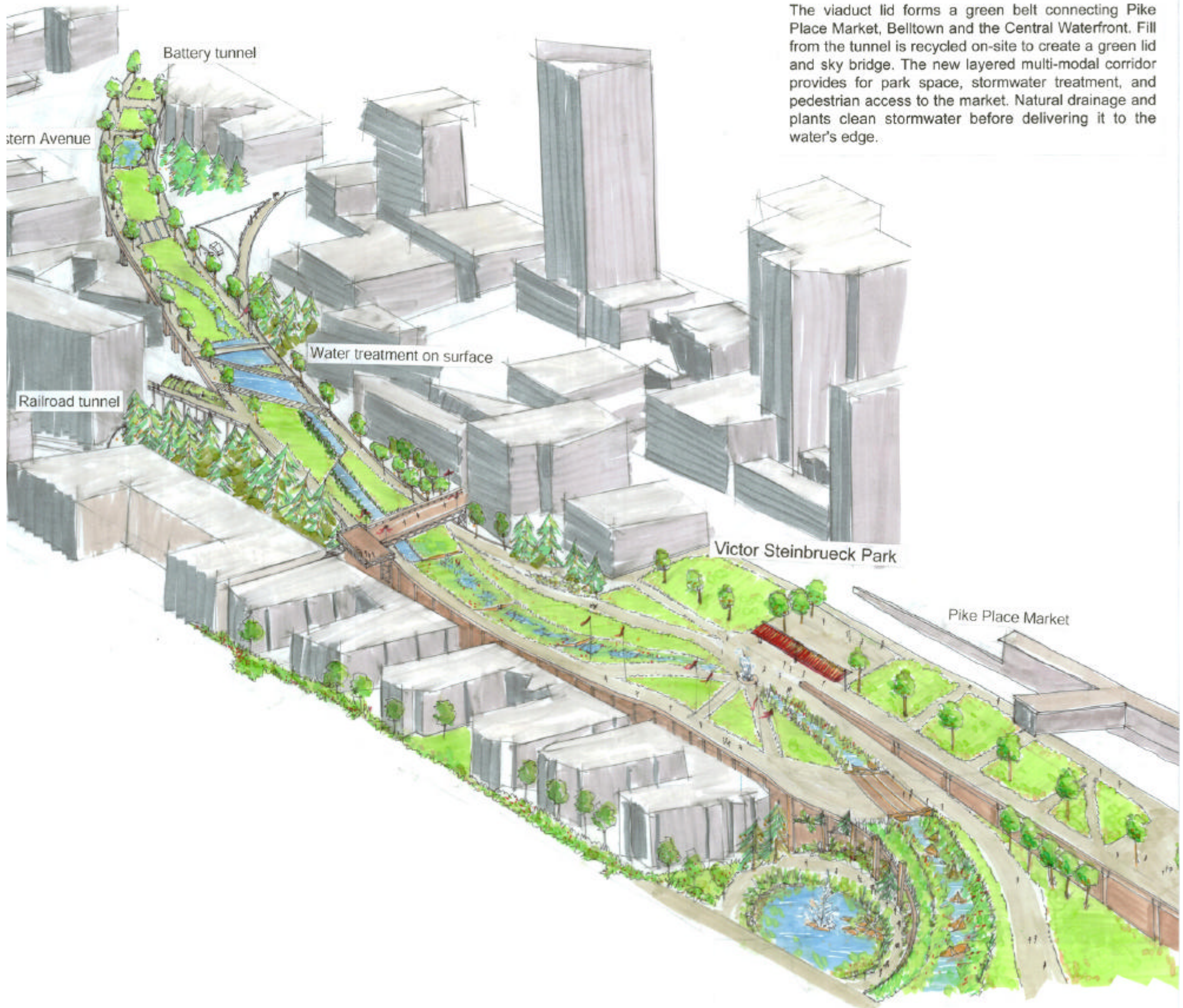


Pier 70



Ramp

MARKET CONNECTION



The viaduct lid forms a green belt connecting Pike Place Market, Belltown and the Central Waterfront. Fill from the tunnel is recycled on-site to create a green lid and sky bridge. The new layered multi-modal corridor provides for park space, stormwater treatment, and pedestrian access to the market. Natural drainage and plants clean stormwater before delivering it to the water's edge.